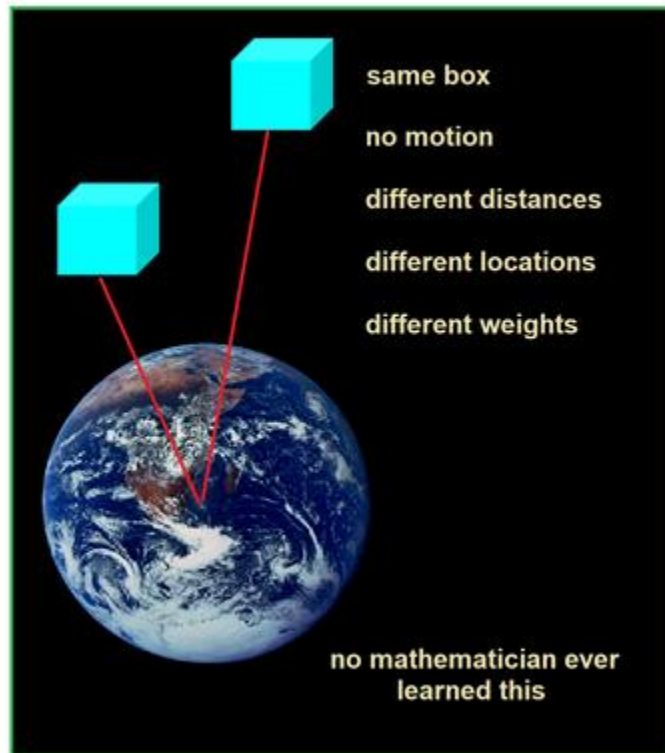


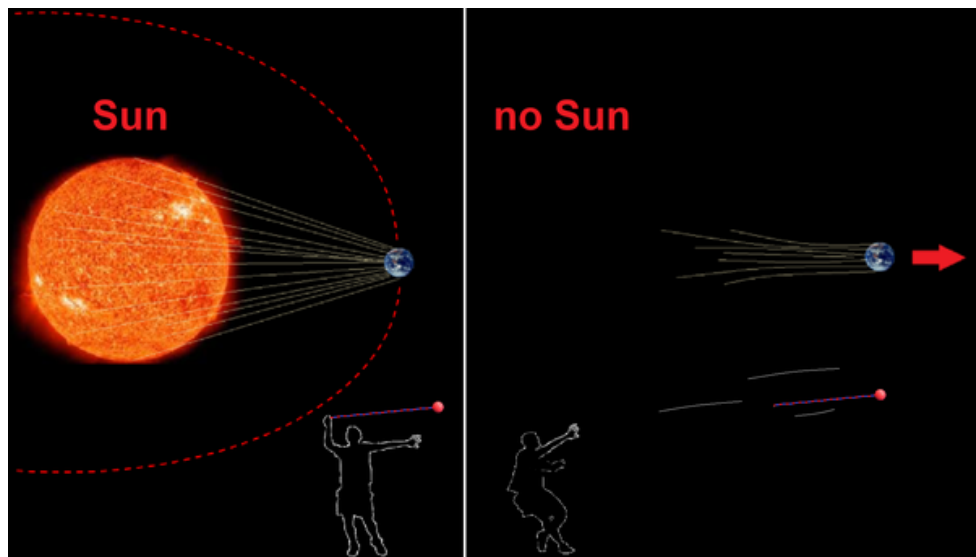
## **Does gravity travel faster than light?**

**by Bill Gaede**

Weight changes according to location. If our dear Mother Gaia wants to shed a couple of pounds, all she needs to do is take a Planck-length step away from the Sun and she's done! What this means in common parlance is that weight changes 'instantaneously'!



If the Sun were to disappear suddenly by the magic wand of a magician, the Earth would 'instantaneously' be flung off out of the Solar System no differently than a boy who lets go of the ball he's revolving around his head at the end of a string. You recognize a non-physicist because they never discovered this patently obvious fact.



The non-physicist will try to prove to you – mathematically, of course – that [it would take 8 minutes for the ‘information’ to reach you from the moment the Sun is gone](#)

You would think that if someone cut the tightrope on which you are walking, it would not take seconds for the information to reach you.



But here the members of the mathematical guild will go out of their way to persuade you that your intuition and common sense are ‘wrong’ in such matters. These amateurs, who simply regurgitate what they learned by rote in college, believe that it would take 8 minutes because no one in Mathematical so-called ‘physics’ has any clue what gravity is. [Mathematicians confess that no one from Newton to Hawking ever figured out the physical nature of gravity](#)

### **Lethargic mathematical gravity**

The version of gravity of Quantum Mechanics and String Theory is that particles called [gravitons](#) deliver [negative momentum](#) to the target and magically bring it in. Of course, such physical interpretations can at best elicit a smile from [a rational physicist](#), and that explains why these two sects of Mathematical ‘physics’ are still searching for gravity. They will continue to do so until the end of time. The quantum mathematicians are using the wrong mediator.

The version of gravity of General Relativity is just as amusing. This sect proposes that there is an unimaginable concept the members of this congregation refer to as [spacetime](#)

This non-object is unimaginable because proponents allege it to be a 4-dimensional concept.

*“a four-dimensional space called space-time. It is impossible to imagine a four-dimensional space”*. S. Hawking, [A Brief History of Time](#) (1988) Chp. 2

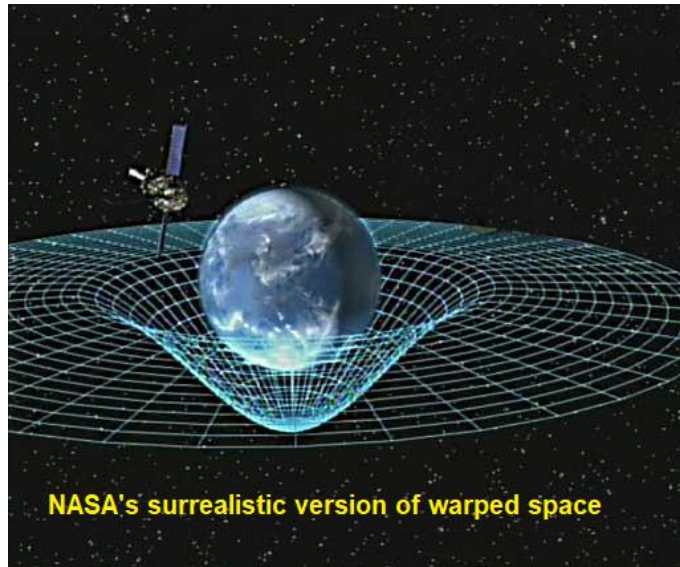
This certainly is a bit counter-intuitive because rational folk always believed that abstract concepts have no dimensions, sizes, or shapes. And yet, the mathematicians working in prominent tax-funded places insist on drawing this unimaginable, abstract, 4D concept in two dimensions...

The theory is that waves are generated and henceforth propagate along the spacetime fishnet when [an object weighs the unimaginable 4D concept ‘downwards’](#)

And why the mathematical [canvas is weighed 'downwards'](#) is a mystery that will forever remain in obscurity. So... please don't ask.

The disturbance can travel no faster than the speed of light (300,000 km/s) along the skin of spacetime because another branch of relativity determined that this is [the maximum speed limit of the Universe](#)

If it happened to exceed this limit, all equations would need to be revised. It was much safer to sell the layman the counter-intuitive notion that gravity 'travels' at the same speed as light. And to sell your foregone conclusions, first to yourself and then to the non-mathematical masses, you need to introduce elements of persuasion, conversion, and recruitment such as interpretations of cosmic evidence and observation.

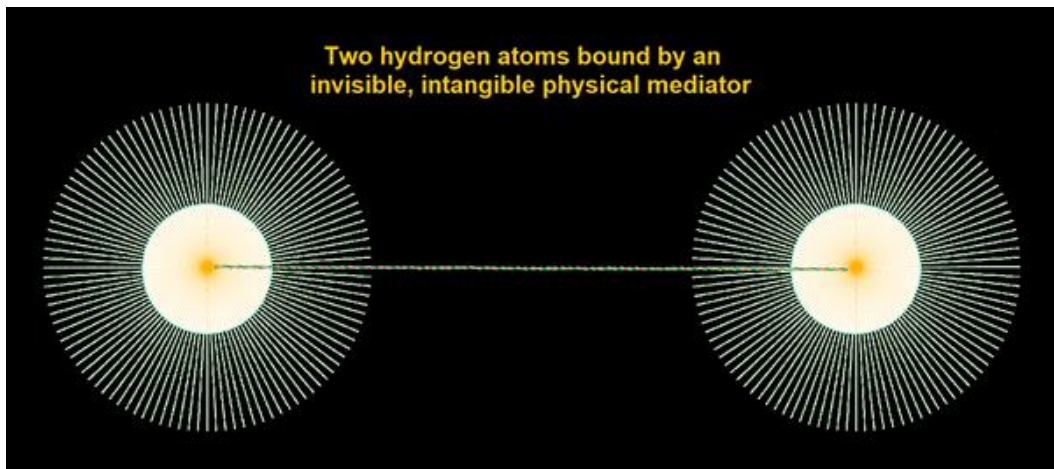


Of course, if both QM gravity particles and GR gravity waves travel one-way in order to reach their targets, it is guaranteed that they can travel no faster than light. If instead gravity is mediated by a two-way agent, we have to erase the entire board and start all over again.

### **The rational version of gravity**

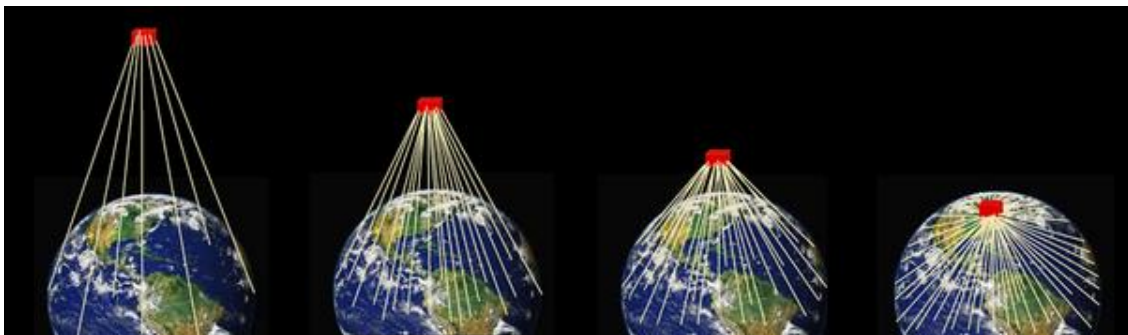
We start with an inviolable principle. Physical phenomena are mediated by objects. The individual who proposes otherwise is in effect introducing spirits and black magic into Physics.

Let us assume that every atom in existence is physically bound to all others by an extended mediator. In other words, under this hypothesis, the so-called ‘action-at-a-distance’ is an observer phenomenon that results because the individual simply can’t see or touch the object that serves as mediator.

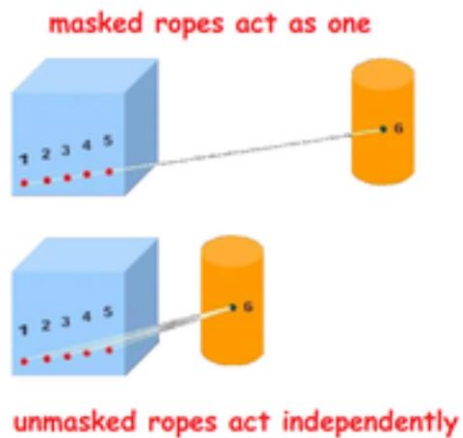
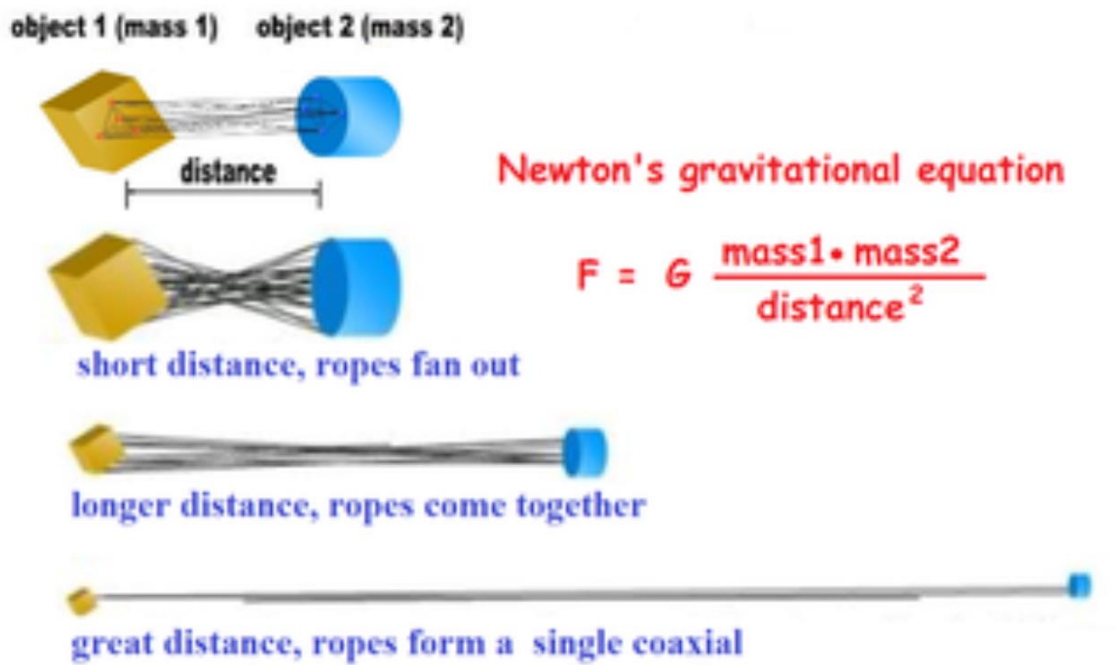


And why we can't see or touch the mediator is an issue of definitions. An object is not that which we can see or touch as Mathematical 'physics' would have you believe. An object is that which has shape. Our extended mediator meets this definition and not the unscientific one the mathematical 'physicists' invoke to justify their physical interpretations. It follows that we will not discover, identify, or verify the mediator of gravity through an experiment.

We can now visualize the mechanism that underlies the acceleration of gravity. A box accelerates because, as the distance between it and the planet decreases, the mediators fan out. There are ever more mediators acting individually as the atoms step out of their respective axes.



At great distances the mediators act as a single coaxial. At shorter distances, the mediators separate.



We can now understand why weight is location-dependent... a phenomenon known in Mathematical 'physics' as 'a' field. The reason there is a 'potential at each point in space' around an object is that there is a unique number of mediators converging upon a given location. This has nothing to do with the speed of light or with waves or photons. Consistent with the notion of field, it has to do solely with location and distance (i.e., separation between two objects).

Corollary: the finite speed of light is a constant through any medium irrespective of density because [light is a torsion](#) propagating bidirectionally along the mediator of gravity.